Uniden®

UH078SX-NB
Handheld UHF-CB Transceiver

OWNER'S MANUAL

Warning

WATERPROOF: JIS7

Uniden's UH078SX-NB radio is designed to meet the water proofing standard of JIS7.

This Means:

Being defined as having no ingress of water when immersed at 1 metre for 30 minutes.

The UH078SX-NB will only meet this rating if fully assembled and all rubber seals and bungs are well maintained and correctly fitted. This means that the speaker microphone bung is inserted, and the battery pack and antenna are attached and securely fastened.

LITHIUM ION BATTERY PACK WARNING

- This equipment contains a Lithium Ion Battery Pack.
- The Lithium Ion Battery Pack contained in this equipment may explode if disposed of in a fire.
- Do not short-circuit the Battery Pack.
- Do not charge the Lithium Ion Battery Pack used in this equipment in any charger other than the one designed to charge this Battery Pack. Using another charger may damage the Battery Pack or cause the Battery Pack to explode.
- Lithium Ion batteries must be disposed of properly.

> ⚠️ **NOTE**
> **USER LICENSE INFORMATION**
> The citizen band radio service is licenced in Australia by ACMA Radio-communications (Citizen Band Radio Stations) Class Licence and in New Zealand by MED General User Licence for Citizen Band Radio and operation is subject to conditions contained in those licenses.

Contents

Introduction

The UH078SX-NB is a JIS7 Waterproof, portable two-way UHF-CB radio. It is compact, rugged and fits easily in your hand. This hand held UHF-CB radio will give you consistent, outstanding performance in virtually all conditions and situations. To ensure that you get the most from the UH078SX-NB features, please read this operating guide carefully before using the unit.

FEATURES
- Narrow Band (NB) Radio
- Communicate with up to 77 Channels in the UHF-CB Band[1]
- 5W Max TX Power
- 0.5W/1W/5W Switchable TX Power
- 60 Programmable RX Channels
- Built-in AVS Circuitry[2]
- 38 Built-in CTCSS codes & 104 additional DCS codes
- 5 Call Tones
- Backlit Keypad & LCD Display
- Duplex Mode[1]
- Open and Group Scan
- Priority Scan On/Off
- Busy Channel Lockout Function
- VOX Function
- Headset Jack
- Keypad Lock
- Waterproof (meets JIS7 waterproof specifications)[3]
- Rubber Grips/Seal
- Battery Type: Lithium-lon Rechargeable
- Low Battery Alert
- Battery strength Indicator
- Auto Battery Save
- Roger Beep
- Key Beep On/Off
- Scramble On/Off

[1] Refer to p.28 - p.29 for channel information
[2] AVS - Automatic Volume Stabilizer detects and manages incoming audio to comparable levels.
[3] The UH078SX-NB radio meets waterproof (JIS7) specifications only when the battery, the antenna and speaker MIC jack cap are correctly installed. The UH078SX-NB will retain its JIS7 rating when the accessory Speaker MIC is connected correctly but the Speaker MIC itself is not splash or waterproof.

Included in your Package

UH078SX-NB

AC Adapter
(AAD-008S(M))

Antenna

Drop-in Charger
(DT078A)
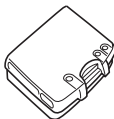
2x Lithium Batteries
(BP078)

Beltclip and
Wrist Strap
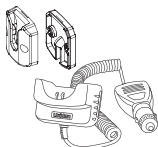
Cigarette Lead
Charger with Hang-up
Bracket (CK 078)

Owner's Manual
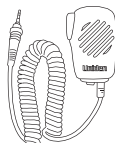
External Speaker Mic
(SM-078)

<table>
<tr><td>

NOTE

</td><td>

If any of these items are missing from the box, contact your place of purchase, immediately.

</td></tr>
</table>

Optional Accessories

- VOX Headset (VM-078)
- Earphone Mic (EM078)
- Heavy Duty Speaker Mic (SM-075CQ)

Controls and Indicators
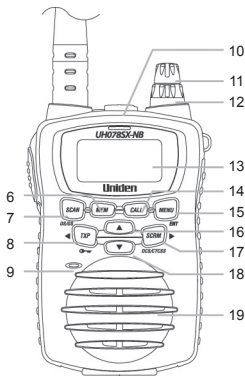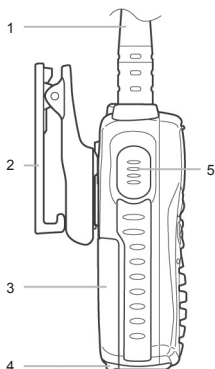
1 Antenna
2 Beltclip
3 Battery
4 Battery Release Clip
5 PTT (Push to Talk) Key
6 Memory Key (MEM)
7 Scan Button (SCAN)/
   Open Scan/Group Scan
8 TXP Power/Lock Button/ ◄
9 Microphone
10 Speaker MIC Jack
11 ON/OFF VOL Knob
12 Squelch Knob (SQ)
13 LCD Display
14 Call Tone Button (CALL)
15 Menu/Enter Button
   (MENU/ENT)
16 Channel Up Button (▲)
17 Scramble/DCS/CTCSS/ ►
   Button
18 Channel Down Button (▼)
19 Speaker
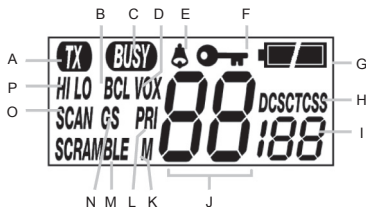
A Transmit
B Busy Channel Lock Out
C Busy
D Voice Activation (VOX)
E Roger Beep
F Key Lock
G Battery Level Indicator
H DCS/CTCSS
I DCS/CTCSS Indicator
J Channel Number
K Scan Memory
L Priority Watch
M Scramble
N Group Scan
O Scan
P HI/LO Transmit Power

Getting Started

Connect Drop-In Charger with AC adaptor

Plug one end of the AC adaptor into the wall
outlet and the other end into the drop-in charger.
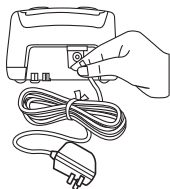
OR...
Connect Cigarette Lead Charger
to Cigarette Lighter Jack

NOTE

- The drop-in charger and cigarette lead charger are not water proof. Ensure the radio is dry before connecting to the charger.
- Don't use the chargers when the ambient temperature is below 0º C (32º F) or above 45º C (113º F)
- Input Voltage (Cigarette Lead Charger): +12VDC to +24VDC

Attaching the Antenna

Attach the antenna to the UH078SX-NB.
Be sure the antenna is firmly seated.

Getting Started

Attaching the Battery Pack

Contacts

1. Place the battery pack onto the back of the radio. It will only fit in one way.

2. Snap the battery release clip until it clicks. Be sure the battery pack fits tightly against the UH078SX-NB body.
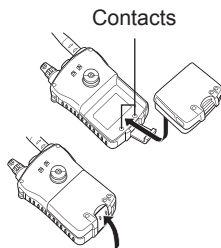
> ⚠️
> *CAUTION*
>
> Avoid exposing the Lithium Ion battery, attached or unattached to the radio, in direct sunshine, heated cars, or in areas with temperatures below –20°C (–4°F) or above +60°C (+140°F).
>
> Exposing the chemicals contained within the battery pack to temperatures above +60 °C (+140°F) may cause the battery to rupture, fail or reduce performance.
>
> In case of exposure to cell contents, wash the affected area thoroughly, and seek medical attention.
>
> Additional battery cautions should be applied as described on p.2.

Attaching the Beltclip

1. Hold the beltclip in the direction.

2. Apply it to the hanger piece on the back of the radio. Then slide it up.

3. You will hear a click. The beltclip is firmly attached.
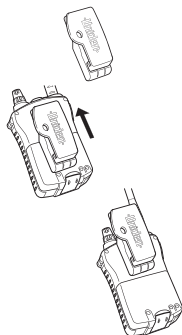
Getting Started

4. To take the beltclip off the radio, turn it
   and slid it up.
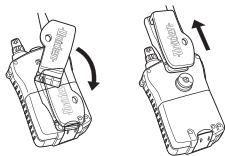
Charging the Battery Pack

Your radio is powered by a specially designed Lithium Ion battery pack.

• Before operating the UH078SX-NB, charge the Lithium Ion battery
  pack for 5 hours without interruption in the drop-in charger or 3.5
  hours without interruption in the cigarette lead charger.

> ⚠ *NOTE* For the initial battery charge, make sure the radio is off for
> optimum charging.

The drop-in charger can charge the Lithium Ion
battery pack attached to the UH078SX-NB in the front
charging slot and also charge a second Lithium Ion
battery pack separately in the rear charging slot.
When you charge the 2nd battery, be sure to push it
all the way into the charge slot.

1. Place the UH078SX-NB in the drop-in charger.

2. The red LED illuminates and stays ON, until fully
   charged.

• The charger won't overcharge the battery packs.
  When charging is completed, the charge LED
  is no longer illuminated.

• **Do not transmit when the UH078SX-NB
  is in the drop-in charger!**

• You can monitor incoming calls while the UH078SX-NB is in the
  drop-in charger.

Getting Started

Battery Level Display

The BATTERY icon in the top right hand corner of the screen indicates the UH078SX-NB current battery voltage level at all times. The battery level is displayed in 4 levels.

LEVEL 4
Battery 100% full

LEVEL 3
Battery approx.
40% capacity

LEVEL 2
Low Battery

LEVEL 1
(flashing)
Empty Battery
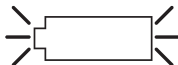
> **NOTE**
> When **PTT** is pressed at Level Empty, battery icon and channel number will flash, transmission is disabled.

> **NOTE**
> Recharge the battery at any time. From empty the battery will take up to 5 hours to fully charge.
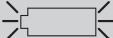
Battery Life : 12 Hours (Typical)

This is based on the following Duty Cycle:

Transmit (Low Power)	5%
Receive	5%
Stand-by	90%

Getting Started

Battery Level Display (when charging)

Radio OFF (normal charging)	Radio ON (slow charging) Battery Level indication			
	LEVEL 0	LEVEL 1	LEVEL 2	LEVEL 3
5 hours without interruption in the drop-in charger or 3.5 hours without interruption in the cigarette lead charger.	Transmit is inhibited at this level. Battery must charge up to Battery Level 1 before Transmit is enabled.	Transmits and Receives normally, however battery level increases during Standby and Receive but decreases during Transmit.		

Low Battery Alert

When the battery level drops to Level 1 the Low Battery Alert beep will sound and continue to sound at 15 minutes intervals (approximately) until the battery level falls to Level 0 (flashing empty) or the battery is connected into a charger.

SPKR/MIC Jack Cap

Make sure the SPKR/MIC jack cap is firmly pushed in to maintain submersible rating.

Connecting the SPKR/MIC

Release the SPKR/MIC jack cap to plug in the SPKR/MIC. Secure the SPKR/MIC plug by tightening the plug collar clockwise.

Getting Started

Mount the Hang-Up Bracket

Use the radio Hang-up Bracket when charging the uh078sx Deluxe with the Cigarette Lead Charger in a vehicle. The radio Hang-up Bracket comes in two parts. How and where you choose to mount the Hang-up Bracket will determine which parts to use.

Conventional Mounting with Screws

Use the front part of the Hang-up Bracket only. Locate a suitable mounting position in the vehicle and mark and drill two 3mm holes. Fix the Hang-up Bracket into place with screws.
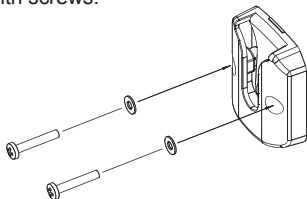
Conventional Mounting with Double Sided Tape (not supplied)

High quality Double-Sided tape can be found at good retail stores. Secure the front and back pieces of the Hang-up Bracket using the supplied binding screws. Locate a suitable mounting position. Apply high quality Double-Sided tape onto the flat area of the Hang-up Bracket back piece and then press firmly to the mounting position.
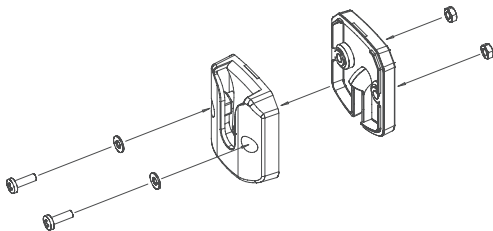
Operation

- See the Controls and Indicators page at the back of this operating guide for button and key operations.

Power On/Off

To turn the unit **ON**, rotate the **[ON/OFF VOL]** clockwise. A channel number and battery level should appear on the display.
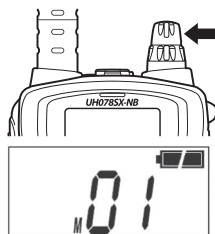
To turn the unit **OFF**, rotate the **[ON/OFF VOL]** knob counter-clockwise. The display will disappear.

Volume

Rotate the **[ON/OFF VOL]** knob clockwise or counter-clockwise to adjust speaker volume to desired listening level.

Key Beep On/Off

Your radio emits a beep each time-one of the keys (except for the PTT or mon) are pressed.

1. Press ⌕MENU⌕ seven times. **bP** flashes and the current setting displays.
2. Press ⌕▲⌕ or ⌕▼⌕ to change setting ON/OFF.
3. Press and hold ⌕MENU⌕ to store setting.

Operation

Roger Beep

Roger Beep is a BEEP that is sent to notify the end of transmission (both PTT and VOX transmission.) Roger Beep can be heard through the speaker when Key Beep is on. Roger Beep is transmitted even if key beep is turned off. However Roger Beep will not be heard from the speaker.

1. Press $(MENU)$ six times. 🔔 and current setting flashes.

2. Press ⬆️ or ⬇️ to change setting ON/OFF.

3. Press and hold $(MENU)$ to store setting.

Selecting a Channel

Press ⬆️ or ⬇️ to select the desired channel.

> ⚠️
> **NOTE**
>
> If you press and hold the ⬆️ or ⬇️, channel number will scroll rapidly.

> ⚠️
> **NOTE**
>
> For your reference a list of the available channels, corresponding frequencies and guidelines for their use and selection is printed on page 27. For Australia, Channels 05 and 35 are reserved for Emergency Calls.

Transmitting a Call Tone

Your UH078SX-NB is equipped with 5 selectable call tones that will be transmitted when $(CALL)$ is pressed.

> ⚠️
> **NOTE**
>
> Current regulations require calling tones to be restricted to one transmission per minute. If a second transmission is attempted within one minute then an error tone will sound.

1. Press $(MENU)$ three times. The current setting flashes.

2. Press ⬆️ or ⬇️ to change setting between C1, C2, C3, C4 and C5.

3. Press and hold $(MENU)$ to store setting.

Operation

Squelch

The squelch is used to eliminate any annoying background noise when there are no signals present.

> ⚠ **NOTE**
>
> Make sure to first select a channel not in use before setting the squelch in your UH078SX-NB UHF-CB radio.

Think of squelch as a gate. Turn **[SQ]** fully clockwise. This raises the "Squelch Gate" so high that only the very strong signals can get through.

Strong Signals
Medium Signals
Weak Signals
Noise
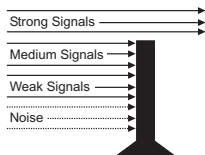
Turn **[SQ]** fully counter clockwise until you hear a hiss. This opens the "Squelch Gate" so that everything gets through noise, weak signal, and strong signals.
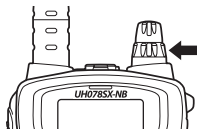
To set the "Squelch Gate" to the desired level, turn **[SQ]** counter-clockwise until you hear noise. Then turn the **[SQ]** clockwise just until the noise stopped. Now only the desired signal can get through.

> ⚠ **NOTE**
>
> If an incoming signal is very weak there is a possibility that you will have a choppy or broken reception, due to the sensitivity of the squelch. In this case, simply rotate the **[SQ]** clockwise until the weak signal is heard clearly.

Operation

To Transmit and Receive

The UH078SX-NB uses the UHF-CB Channels. For your reference a list of the available channels and corresponding frequencies is printed on p.28-p.29.

> ⚠️ *NOTE* UHF-CB Channels 22 and 23 are for telemetry and telecommand applications. Transmit is inhibited on these channels.

1. The maximum RF transmit power of UH078SX-NB is 5 Watts.

   Press $\boxed{TXP}$ to change the transmit power between High(5W), Middle(1W) and Low(0.5W).

   HI appears when on high power. **LO** appears when on low power. **HI** and **LO** disappear when on middle power.

2. Before you transmit, listen for activity on the selected channel.

3. When the channel is clear, press and hold the $\boxed{PTT}$ to transmit. **TX** appears on the LCD.

   Hold the radio with microphone approximately five cms in front of your mouth with the antenna at approximately 45* angle away from your head. Speak in a clear, normal conversational voice.

4. When you have finished speaking, release the $\boxed{PTT}$ and listen for a response. **TX** indicator then disappears on the LCD.

   The display shows **BUSY** when a transmission is being received by your radio.

Operation

Using a Repeater Channel

UHF-CB Repeaters are used to retransmit or relay your signal. Repeaters will extend the range of your radio and overcome the shielding effect caused by solid obstructions.

In normal Simplex operation, your radio transmits on one particular frequency and receives on that same frequency. If there is a barrier (i.e. a Tall Building) that partially blocks your transmitted signal, the possibility of the other radio receiving the signal is very slim. Valleys, metallic structures, etc., tend to act as a screen between radios.

Standard Operation without the aid of a Repeater Station

Normal Simplex Operation
Transmitting on CH 01

No signal being received

Operation with the aid of a Repeater

Repeater Station

CH 31   CH 01
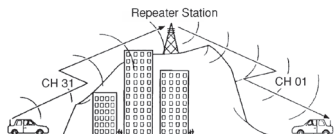
With Duplex operation, the signal coming from your radio is received by the Repeater station and then re-transmitted at the same time on another channel.

Your UH078SX-NB is designed with duplex capability on Channels 1 to 8 and Channels 41 to 48. When any of these channels are set to operate in duplex mode during transmission, the UH078SX-NB automatically sends the signal at a frequency 30 channels above the original in order to access the repeater station. After transmitting, the radio reverts back to its original operating frequency.

For example:
1. CH01 is on Duplex Mode - will receive on CH01 but transmit on CH31
2. CH02 is on Duplex Mode - will receive on CH02 but transmit on CH32, etc... Refer to UHF-CB Channel & Frequencies table on p.28 - p.29.

Operation

To Operate UH078SX-NB in Duplex Mode

Eg. CH01 is being used in your area for repeater use.

1. Press (MENU) **dP** flashes.
2. Press ⏶ or ⏷ to change setting ON/OFF. **r** appears (for repeater channels 01 - 08) in place of 0 and **n** appears (for repeater channels 41 - 48) in place of 4 when duplex is on.
3. Press and hold (MENU) to store setting.

⚠ **NOTE** Check with your local retailer for available repeaters.

Scanning

The UH078SX-NB has two types of scanning; Open Scanning (OS) and Group Scanning (GS). Scanning allows you to search for active channels programmed in the OS or GS memory.

To initiate scanning;

1. Assuming the unit is on CH17 when switched on.
2. Press (scan) and scanning starts. **SCAN** icon appears during scanning.

The scan direction can be changed at any time by pressing ⏶ or ⏷.

Open Scan (OS) Mode

The absence of GS icon indicates that the unit is in OS mode. Allows continuous scanning of channels stored in the Open Scan (OS) memory. If an active channel is found, scanning will stop on that channel.

⚠ **NOTE** The factory has preprogrammed all the UHF-CB channels into the Open Scan channel memory. However, you can change or customize the channels by following the steps on programming Scan Channels on page 20.

Example: CH40 becomes active

If the received signal cease, the unit will wait for at least 3 seconds for the signal to return, otherwise scanning resumes.

Operation

To skip the active channel, press (mem) momentarily. Scanning resumes.
To deactivate SCAN, press $(scan)$ or (PTT).

> **NOTE**
> If SCAN is deactivated while in an active channel, the UH078SX-NB will stay on that active channel. If no other channels are active, the UH078SX-NB will reinstate the starting channel.

Group Scan (GS) Mode

Allows you to monitor a Priority Channel while scanning.

To use GS Mode Scanning, press the (os/gs) key. **GS** icon appears on the display.

GS Scanning checks the Priority channel activity regularly.

> **NOTE**
> If GS Scanning is initiated when there are no channels programmed in GS memory, an error tone will be heard and scanning will not start.

If the Priority channel becomes active the radio will stay on that channel for as long as the signal is present. If the received signal ceases, Priority scanning continues after 3 seconds.

> **NOTE**
> If scanning stops on a channel which is not a Priority Channel the UH078SX-NB will continue monitoring the Priority Channel for activity while listening to the active one.

To deactivate SCAN, press $(scan)$ or (PTT).

> **NOTE**
> If SCAN is deactivated while it is turned to an active channel, the UH078SX-NB will stay on that active channel. If none of the channels are active, the UH078SX-NB will reinstate the scan start channel.

Operation

Programming Scan Channels

1. Select which Scanning Mode you wish to use OS or GS Mode.

⚠️ *NOTE*   OS is indicated by the absence of the GS icon.

2. Select the channel you want to store by pressing ⬆️ or ⬇️.

3. Press and hold ⟨mem⟩. **M** appears and a short tone beep is heard.

4. To remove the channels from Memory, press and hold ⟨mem⟩ once more. A short tone beep sounds and **M** disappears.

Priority Channel

The Priority Channel feature allows user to monitor one channel in the UH078SX-NB, monitoring it every 1.5 secs. during Group Scanning.

Choosing a Priority Channel

1. Press ⟨MENU⟩ four times. PRI and the priority channel number flashes.

2. Press ⬆️ or ⬇️ to select the desired priority channel. Channel 10 example is shown.

If OFF is selected then priority channel watch during group scan will be inactive.

3. Press and hold ⟨MENU⟩ to store setting.

Drop-out Delay

While scanning, the UH078SX-NB stops at a busy channel and receives a signal. When the received signal is over, the unit will wait for 3 seconds for the return of the signal, otherwise, the radio resumes scanning.

Operation

60 Receive Channels

The UH078SX-NB also has 60 receive only channels (CH81 - CH140) which can be programmed with frequencies ranging from 450-512MHz (in 12.5kHz steps). If you know the frequency you may store it manually.

Manual Programming

Turn power off. Press and hold $\fbox{MENU}$ while turning power back on. The channel indicator flashes the lowest available empty channel. You may use the $\fbox{▲}$ or $\fbox{▼}$ to select another channel.

Press $\fbox{MENU}$. The frequency indicator flashes the MHz whole number value to be set.

Press $\fbox{▲}$ or $\fbox{▼}$ to select the MHz whole number value (between 450 and 512 MHz).

Press ◄ or ► to move left or right between the MHz whole number and the MHz decimal value (in 12.5kHz steps) and press $\fbox{▲}$ or $\fbox{▼}$ to change values.

When finished press $\fbox{MENU}$, the channel indictor flashes.

Press $\fbox{▲}$ or $\fbox{▼}$ to select the next channel for programming or press and hold $\fbox{MENU}$ to store setting.

A confirmation tone sounds. The channel is automatically entered into the OS scan memory.

Deleting a Programmed Receive Channel

Follow the steps in Manual Programming to enter a frequency for a desired channel.

Select 0 for the first frequency digit and then press $\fbox{MENU}$.

Press $\fbox{▲}$ or $\fbox{▼}$ to select another channel or press and hold $\fbox{MENU}$ to exit programming mode.

Operation

Advanced Features

CTCSS (Continuous Tone Coded Squelch System)

This feature allows you to receive signals only from callers who have selected the same CTCSS code.

Press ⬆ or ⬇ to select the channel you want to set a CTCSS code.

Press and hold ⟨*ctcss*⟩. CTCSS will flash.

Press ⬆ or ⬇ to select a desired CTCSS code.

Press and hold ⟨*MENU*⟩ to store setting. When a code other than oF is selected, CTCSS and code will display.

DCS (Digitally Coded Squelch)

DCS is a digital extension of CTCSS. It provides 104 extra, digitally coded, squelch codes that follow after the 38 CTCSS codes. CTCSS 1-38, followed by DCS 1-104.

Follow the steps for setting a CTCSS code.

Press ⬆ until the DCS codes appear.

Press and hold ⟨*MENU*⟩ to store setting. **DCS** and code will display.

> ⚠ **NOTE**
> Channels 5 and 35 are used for emergency channels. CTCSS and DCS will not operate on these channels.

DCS/CTCSS Scan Operation

1. Press ⟨*scan*⟩ to start scanning (GS or OS) mode.

2. Press and hold ⟨*ctcss*⟩ to change to DCS/CTCSS scan mode.

3. When a signal is sensed on a DCS/CTCSS CH, the UH078SX-NB stops for about 400 msecs (decode time) to decode the DCS/CTCSS code. If there is no code or the receive code does not match the one programmed for the channel, the UH078SX-NB resumes scanning.

> ⚠ **NOTE**
> Channels 5 and 35 are used for emergency channels. CTCSS will not operate on these channels.

Operation

VOX

- **Built-in Voice Activated Circuit** (VOX) feature enables the user to transmit automatically by speaking on the microphone of the VOX headset (not supplied) without pressing the PTT switch.

> ⚠️ **NOTE**
> VOX feature will not work without the VOX Headset Microphone. The built in mic of UH078SX-NB is temporarily disabled when VOX feature is working, however accidental pressing of PTT will cause the unit to transmit briefly.

To activate VOX

1. Press MENU two times.
   VOX and the current VOX setting flashes.
2. Press ⬆ or ⬇ to select desired VOX level (oF, 1 to 9).
3. Press and hold MENU to store setting.
4. Install VOX Headset (not supplied) to UH078SX-NB.

To De-activate VOX

1. Press MENU two times.
2. Press ⬆ or ⬇ to select OFF ("oF").
3. Press and hold MENU to store setting.

Power Save

Battery Save feature extends the battery life by switching the receiver circuit power ON and OFF. This feature automatically activates during standby mode (RX mode without signal).

Back Lighting

The Liquid Crystal Display (LCD) and function keys are backlit for easy viewing at night or in low light situations. The back lighting automatically switches ON every time a key (except PTT) is pressed. It turns OFF 5 secs after the last key is pressed.

Operation

Keypad Lock

To prevent accidental entries, you can lock the keypad. Press and hold the $\overline{TXP}$ button until it beeps to activate Key Lock. ⛔ appears. To unlock the keypad, press and hold the $\overline{TXP}$ button again. ⛔ icon disappears.

> ⚠️ **NOTE**
>
> When the Key Lock is active, a warning beep will be heard if you attempt to press keys. (except for the PTT button).

Busy Channel Lock-out (BCL)

This feature prevents accidental transmission on a busy channel. This is recommended on channels where DCS/CTCSS is being used. If you hear sound from the speaker, the BCL feature will prevent you from transmitting.

1. Press $\overline{MENU}$ five times.
2. Press ⬆ or ⬇ to change setting ON/OFF. BCL appears on the display when set to ON.
3. Press and hold $\overline{MENU}$ to store setting.

> ⚠️ **NOTE**
>
> BCL cannot be set on extra receive channels (CH81 to CH140).

Scramble On/Off

Scramble enables private communications by scrambling the voice signal. This prevents users without descrambler equipment or a compatible unit understanding the conversation. Select desired channel.

1. Press $\overline{SCRM}$ momentarily. SCRAMBLE icon appears.
2. Press $\overline{SCRM}$ momentarily again to disable SCRAMBLE.

> ⚠️ **NOTE**
>
> For safety purposes Scramble is inhibited on channels 5, 11, 35 and Duplex enabled channels.

CTCSS Codes and Frequencies

Code No.	Frequency (Hz)	Code No.	Frequency (Hz)
"oF"	OFF	20	131.8
1	67.0	21	136.5
2	71.9	22	141.3
3	74.4	23	146.2
4	77.0	24	151.4
5	79.7	25	156.7
6	82.5	26	162.2
7	85.4	27	167.9
8	88.5	28	173.8
9	91.5	29	179.9
10	94.8	30	186.2
11	97.4	31	192.8
12	100.0	32	203.5
13	103.5	33	210.7
14	107.2	34	218.1
15	110.9	35	225.7
16	114.8	36	223.6
17	118.8	37	241.8
18	123.0	38	250.3
19	127.3		

DCS Codes Table

Code No.	DCS Code (Octal)	Code No.	DCS Code (Octal)	Code No.	DCS Code (Octal)
1	023	36	223	71	445
2	025	37	225	72	446
3	026	38	226	73	452
4	031	39	243	74	454
5	032	40	244	75	455
6	036	41	245	76	462
7	043	42	246	77	464
8	047	43	251	78	465
9	051	44	252	79	466
10	053	45	255	80	503
11	054	46	261	81	506
12	065	47	263	82	516
13	071	48	265	83	523
14	072	49	266	84	526
15	073	50	271	85	532
16	074	51	274	86	546
17	114	52	306	87	565
18	115	53	311	88	606
19	116	54	315	89	612
20	122	55	325	90	624
21	125	56	331	91	627
22	131	57	332	92	631
23	132	58	343	93	632
24	134	59	346	94	654
25	143	60	351	95	662
26	145	61	356	96	664
27	152	62	364	97	703
28	155	63	365	98	712
29	156	64	371	99	723
30	162	65	411	100	731
31	165	66	412	101	732
32	172	67	413	102	734
33	174	68	423	103	743
34	205	69	431	104	754
35	212	70	432		

UHF-CB Channel Guidelines

NOTE

Always listen on a channel (or observe the receive signal level meter) to ensure it is not already being used before transmitting.

Channels 5 and 35 are used for emergency channels. CTCSS and DCS will not operate on these channels.

Please follow these guidelines for channel use in Australia:
• Channels 05 and 35 are Emergency Channels.
• Channel 11 is a Calling Channel.
• Channels 22 and 23 are for telemetry and telecommand applications and TX is inhibited on these channels.

General communication is accepted on all other channels with these guidelines:
• Channel 40 - road channel (Australia).
• Channels 01-08 (and 31-38), and Channels 41-48 (and 71-78) are repeater channels.

Important information - 80 Channel UHF-CB channel expansion

To provide all users additional channel capacity within the UHF-CB Band. The ACMA will change the majority of the current wideband 40 channel use to narrowband channel use. This allows for additional channels to be added, up to 80 (77 usable) Channels.

This simply means that the new narrowband radio you have purchased will have more channels than older radios. Please refer to the guidelines above and the channel chart for further channel information.

A list of currently authorised channels can also be obtained from the ACMA website in Australia and the MED website in New Zealand.

Interference / Poor Audio

NOTE

When a new narrowband radio receives a signal from an older wideband radio the speech may sound loud - however the UH078SX-NB's built-in AVS (Automatic Volume Stabilizer) circuitry will detect and manage incoming audio to comparable levels.

Narrowband radios operating on CH41 - CH80 may encounter interference from a nearby wideband radios transmitting on high power on an adjacent channel (frequency).

When an older wideband radio receives a signal from a new narrowband radio the speech may sound quiet - the wideband radio user simply adjusts their radio volume for best performance.

The above situations are not a fault of the radio but a symptom of mixed wideband and narrowband radios in current use. It is expected that as older wideband radios are phased out this issue will be eliminated.

UHF-CB Channels and Frequencies

CH No.	Simplex Mode Transmit / Receive Frequency (MHz)	Duplex Mode Transmit Frequency (MHz)	CH No.	Simplex Mode Transmit / Receive Frequency (MHz)
1	476.425	477.175 (CH31)	21	476.925
2	476.450	477.200 (CH32)	22	476.950 (RX only)
3	476.475	477.225 (CH33)	23	476.975 (RX only)
4	476.500	477.250 (CH34)	24	477.000
5	476.525	477.275 (CH35)	25	477.025
6	476.550	477.300 (CH36)	26	477.050
7	476.575	477.325 (CH37)	27	477.075
8	476.600	477.350 (CH38)	28	477.100
9	476.625		29	477.125
10	476.650		30	477.150
11	476.675		31	477.175
12	476.700		32	477.200
13	476.725		33	477.225
14	476.750		34	477.250
15	476.775		35	477.275
16	476.800		36	477.300
17	476.825		37	477.325
18	476.850		38	477.350
19	476.875		39	477.375
20	476.900		40	477.400

UHF-CB Channels and Frequencies

CH No.	Simplex Mode Transmit / Receive Frequency (MHz)	Duplex Mode Transmit Frequency (MHz)	CH No.	Simplex Mode Transmit / Receive Frequency (MHz)
41	476.4375	477.1875 (CH 71)	61	N/A (guard CH)
42	476.4625	477.2125 (CH 72)	62	N/A (guard CH)
43	476.4875	477.2375 (CH 73)	63	N/A (guard CH)
44	476.5125	477.2625 (CH 74)	64	477.0125
45	476.5375	477.2875 (CH 75)	65	477.0375
46	476.5625	477.3125 (CH 76)	66	477.0625
47	476.5875	477.3375 (CH 77)	67	477.0875
48	476.6125	477.3625 (CH 78)	68	477.1125
49	476.6375		69	477.1375
50	476.6625		70	477.1625
51	476.6875		71	477.1875
52	476.7125		72	477.2125
53	476.7375		73	477.2375
54	476.7625		74	477.2625
55	476.7875		75	477.2875
56	476.8125		76	477.3125
57	476.8375		77	477.3375
58	476.8625		78	477.3625
59	476.8875		79	477.3875
60	476.9125		80	477.4125

Notes

Warranty

UNIDEN UH078SX-NB Handheld UHF-CB Transceiver

⚠️ **NOTE**   Please keep your sales docket as it provides evidence for warranty.

Important: Evidence of original purchase is required for warranty service.

Warrantor: Uniden Australia Pty Limited, A.B.N. 58 001 865 498, Uniden New Zealand Limited

Warranty is only valid in the original country of purchase.

ELEMENT OF WARRANTY: Uniden warrants to the original retail owner for the duration of this warranty, its UH078SX-NB Radio (herein after referred to as the Product), to be free from defects in materials and craftsmanship with only the limitations or exclusions set out below.

WARRANTY DURATION: This warranty to the original retail owner only, shall terminate and be of no further effect THREE (3) years after the date of original retail sale. This warranty will be deemed invalid if the product is;
(A) Damaged or not maintained as reasonable and necessary,
(B) Modified, altered or used as part of any conversion kits, subassemblies, or any configurations not sold by Uniden,
(C) Improperly installed,
(D) Repaired by someone other than an authorized Uniden Repair Agent for a defect or malfunction covered by this warranty,
(E) Used in conjunction with any equipment or parts or as part of a system not manufactured by Uniden, or
(F) Where the Serial Number label of the product has been removed or damaged beyond recognition.
Warranty only valid in the country of original retail/sale.

PARTS COVERED: This warranty covers for three (3) years, the Product and for two (2) years, the included accessories.

STATEMENT OF REMEDY: In the event that the Product does not conform to this warranty at any time while this warranty is in effect, the warrantor at its discretion, will repair the defect or replace the Product and return it to you without charge for parts or service. This warranty does not provide for reimbursement or payment of incidental or consequential damages.

This EXPRESS WARRANTY is in addition to and does not in any way affect your rights under the TRADE PRACTICES ACT 1974 (Cth) (Australia) or the CONSUMER GUARANTEES ACT (New Zealand).

PROCEDURE FOR OBTAINING PERFORMANCE OR WARRANTY: In the event that the product does not conform to this warranty, the Product should be shipped or delivered, freight pre-paid, with evidence of original purchase (e.g. a copy of the sales docket), to the warrantor at:

UNIDEN AUSTRALIA PTY LIMITED

Service Division
345 Princes Highway,
Rockdale, NSW 2216
Fax (02) 9599 3278
www.uniden.com.au

UNIDEN NEW ZEALAND LIMITED

Service Division
150 Harris Road,
East Tamaki, Auckland 2013
Fax (09) 274 4253
www.uniden.co.nz

THANK YOU FOR BUYING A UNIDEN PRODUCT.

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